

Project Title	Funding	Institution
The effects of Npas4 and Sema4D on inhibitory synapse formation	\$0	Children's Hospital Boston
Understanding perception and action in autism	\$0	Kennedy Krieger Institute
Visual perspective-taking and the acquisition of American Sign Language by deaf children with autism	\$0	University of Texas at Austin
Visuospatial processing in adults and children with autism	\$0	Carnegie Mellon University
A combined fMRI-TMS study on the role of the mirror neuron system in social cognition: Moving beyond correlational evidence	\$0	University of California, Los Angeles
Imaging synaptic neuroligin-neurexin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	\$0	Massachusetts Institute of Technology
BDNF secretion and neural precursor migration	\$0	Dana-Farber Cancer Institute
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Research Foundation for Mental Hygiene, Inc.
Cortical mechanisms underlying visual motion processing impairments in autism	\$0	Harvard Medical School/McLean Hospital
Past, present, and future-oriented thinking about the self in children with autism spectrum disorder	\$0	City University London
Phonological processing in the autism spectrum	\$0	Heriot-Watt University
Electrical measures of functional cortical connectivity in autism	\$0	University of Washington
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Research Foundation for Mental Hygiene, Inc.
Analysis of brain microstructure in autism using novel diffusion MRI approaches	\$0	Washington University School of Medicine
Architecture of myelinated axons linking frontal cortical areas	\$0	Boston University
Mimicry and imitation in autism spectrum disorders	\$0	University of Connecticut
Neural basis of socially driven attention in children with autism	\$0	University of California, Los Angeles
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	\$0	University of California, Los Angeles
Multisensory processing in autism	\$0	University of North Carolina at Chapel Hill
Neural basis of audiovisual integration during language comprehension in autism	\$0	University of Rochester
Self-injurious behavior: An animal model of an autism endophenotype	\$0	University of Florida
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	\$25	University of Pittsburgh
White matter structural deficits in high functioning children with autism	\$848	Feinstein Institute For Medical Research
Review of the literature on selenocysteine metabolism and selenoproteins in autism	\$3,000	Northeastern University School of Pharmacy
Language and social communication in autism	\$3,039	University of California, Los Angeles
Characterization of the mirror neuron system in 3-9 month old infants using the BabySQUID imaging system	\$5,519	University of New Mexico

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Doctoral dissertation research: Sign language in deaf and hearing autistic children	\$5,930	University of Texas at Austin
Functional neuroanatomy of developmental changes in face processing (supplement)	\$7,722	University of Kentucky
Slick and Slack heteromers in neuronal excitability	\$9,298	Yale University
Creating a specimen bank of neurotypical individuals	\$12,000	Health Research Institute
Structural brain differences between autistic and typically-developing siblings	\$12,333	Stanford University
Multidimensional impact of pain on individuals and family functioning in ASD	\$15,000	The Research Foundation of the State University of New York
Description and assessment of sensory abnormalities in ASD	\$18,968	Center for Autism and Related Disorders (CARD)
Collaborative research: Detecting false discoveries under dependence using mixtures	\$20,000	North Carolina State University
Cellular characterization of Caspr2	\$23,907	University of California, San Diego
Synchronous activity in networks of electrically coupled cortical interneurons	\$24,981	University of California, Davis
Cognitive mechanisms of serially organized behavior (supplement)	\$25,029	Columbia University
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	\$25,570	Carnegie Mellon University
The neural substrates of social interactions	\$27,327	University of Iowa
Evaluation of sleep disturbance in children with ASD	\$27,456	Center for Autism and Related Disorders (CARD)
Longitudinal neurodevelopment of auditory and language cortex in autism	\$27,522	University of Utah
Roles of Wnt signaling/scaffolding molecules in autism	\$28,000	University of California, San Francisco
Informational and neural bases of empathic accuracy in autism spectrum disorder	\$28,000	Columbia University
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	\$28,000	Vanderbilt University
Neurobiological mechanisms of insistence on sameness in autism	\$28,000	University of Illinois at Chicago
MEG investigation of phonological processing in autism	\$28,000	University of Colorado Denver
Are neuronal defects in the cerebral cortex linked to autism?	\$28,334	Memorial Sloan-Kettering Cancer Center
Homeostatic regulation of presynaptic function by dendritic mTORC1	\$31,705	University of Michigan
Collaborative research: The path to verb learning	\$33,000	University of Delaware
SGER: Learning and representation of cortical similarity of faces in individuals with autistic spectrum disorder	\$33,333	Rutgers, The State University of New Jersey - Newark
Collaborative research: Learning complex auditory categories	\$37,495	University of Arizona
Ube3a requirements for structural plasticity of synapses	\$40,000	Univ of North Carolina
Attentional distribution and word learning in children with autism	\$40,000	Brown University
Collaborative research: Detecting false discoveries under dependence using mixtures	\$40,546	University of Maryland, Baltimore County

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Regulation of activity-dependent ProSAP2 synaptic dynamics	\$41,380	Stanford University
The neural substrates of repetitive behaviors in autism	\$42,111	Boston University Medical Campus
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	\$47,288	College of the Holy Cross
Role of neuronal migration genes in synaptogenesis and plasticity	\$47,606	Weill Cornell Medical College
Optical analysis of circuit-level sensory processing in the cerebellum	\$48,612	Princeton University
fMRI studies of cerebellar functioning in autism	\$49,000	University of Illinois at Chicago
fMRI study of reward responsiveness of children with autism spectrum disorder	\$49,846	University of California, Los Angeles
Neural substrate of language and social cognition: Autism and typical development	\$50,474	Massachusetts Institute of Technology
Behavioral and neural processing of faces and expressions in nonhuman primates (supplement)	\$52,064	Emory University
Role of GluK6 in cerebella circuitry development	\$52,106	Yale University
Analysis of Fgf17 roles and regulation in mammalian forebrain development	\$52,154	University of California, San Francisco
Synaptic analysis of neuroligin1 function	\$52,154	Stanford University
Children's causal learning and developing knowledge of mechanisms	\$55,309	Brown University
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	\$57,246	University of Missouri
Collaborative research: Learning complex auditory categories	\$57,417	Carnegie Mellon University
Psychophysiological mechanisms of emotion expression	\$59,668	Georgia State University
Role of neuroligins in long-term plasticity at excitatory and inhibitory synapses	\$59,918	Albert Einstein College of Medicine of Yeshiva University
Using genetically modified mice to explore the neuronal network involved in social recognition	\$60,000	Haifa University
Neuroligins and neurexins as autism candidate genes: Study of their association in synaptic connectivity	\$60,000	University of California, San Diego
Brain lipid rafts in cholesterol biosynthesis disorders	\$63,000	Medical College of Wisconsin
Infants' developing representation of object function	\$63,259	University of California, Davis
Collaborative research: The path to verb learning	\$66,000	Temple University
Canonical neural computation in autism spectrum disorders	\$66,906	New York University
Is there a hierarchy of social inference? Intentionality, mind, and morality	\$67,911	Brown University
Neural systems for the extraction of socially-relevant information from faces	\$70,514	Dartmouth College
Functional neuroanatomy of developmental changes in face processing	\$70,669	University of Kentucky
Testing the effects of cortical disconnection in non-human primates	\$75,000	The Salk Institute for Biological Studies
Physiological and behavioral characterization of sensory dysfunction in autism	\$76,478	Thomas Jefferson University

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Neurocognitive mechanisms underlying children's theory of mind development	\$77,250	University of California, San Diego
Neurologin regulation of central GABAergic synapses	\$78,000	Duke University
Gamma band dysfunction as a local neuronal connectivity endophenotype in autism	\$78,797	University of Colorado Denver
Social behavior deficits in autism: Role of amygdala	\$79,438	State University of New York Upstate Medical Center
Neural basis for the production and perception of prosody	\$80,190	University of Southern California
Met signaling in neural development and circuitry formation	\$81,998	University of Southern California
Learning and compression in human working memory	\$84,000	Harvard University
Autistic endophenotypes and their associations to oxytocin and cholesterol	\$84,750	Mount Sinai School of Medicine
CAREER: Typical and atypical development of brain regions for theory of mind	\$89,214	Massachusetts Institute of Technology
Time perception and timed performance in autism	\$89,846	Kennedy Krieger Institute
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	\$90,074	University of Southern California
Collaborative research: Modeling perception and memory: Studies in priming	\$90,146	University of California, San Diego
Exploring the uncanny valley	\$90,500	Carnegie Mellon University
CAREER: The role of prosody in word segmentation and lexical access	\$92,995	Michigan State University
The neural basis of early action perception	\$95,040	University of Washington
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	\$95,323	Rutgers, The State University of New Jersey - New Brunswick
Action anticipation in infants	\$99,789	University of Chicago
CAREER: The neuro-cognitive evolution of speech-reading	\$100,000	Princeton University
Investigation of cortical folding complexity in children with autism, their autism-discordant siblings, and controls	\$100,000	Stanford University
Neurexin-neurologin trans-synaptic interaction in learning and memory	\$100,000	Columbia University
Neurexin-neurologin trans-synaptic interaction in learning and memory	\$100,000	Columbia University
Neural bases of semantic interpretation	\$100,013	New York University
Cognitive control of emotion in autism	\$101,034	University of Pittsburgh
Experience and cognitive development in infancy	\$101,841	University of California, Davis
Dendritic organization within the cerebral cortex in autism	\$110,966	The Open University
Engrailed and the control of synaptic circuitry in drosophila	\$112,500	University of Puerto Rico Medical Sciences Campus
Dimensions of mind perception	\$112,584	Harvard University
Anatomy of primate amygdaloid complex	\$114,105	University of California, Davis
Face perception: Mapping psychological spaces to neural responses	\$119,998	Stanford University

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CAREER: Model-based fMRI of human object recognition	\$123,719	Georgetown University
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	\$125,000	Massachusetts General Hospital
MEG investigation of the neural substrates underlying visual perception in autism	\$126,317	Massachusetts General Hospital
Role of micro-RNAs in ASD affected circuit formation and function	\$127,085	University of California, San Francisco
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	\$127,168	Université de Montréal
Stereological analyses of neuron numbers in frontal cortex from age 3 years to adulthood in autism	\$127,422	University of California, San Diego
Neural correlates of social exchange and valuation in autism	\$127,487	Baylor College of Medicine
Role of Pam in synaptic morphology and function	\$127,497	Massachusetts General Hospital
Role of neuroligin in synapse stability	\$127,500	Oklahoma Medical Research Foundation
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	\$127,500	Kennedy Krieger Institute
Connectivity of anterior cingulate cortex networks in autism	\$128,739	New York University School of Medicine
Collaborative research: Modeling perception and memory: Studies in priming	\$134,781	Indiana University
Development of ventral stream organization	\$136,047	University of Pittsburgh
MRI: Acquisition of a high-density electrophysiology laboratory for intercollegiate research and training in cognitive neuroscience	\$137,003	Scripps College
Genetic studies of autism-related Drosophila neurexin and neuroligin	\$137,500	The University of North Carolina at Chapel Hill
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	\$140,000	Cornell University
The role of FOX-1 in neurodevelopment and autistic spectrum disorder	\$142,677	University of California, Los Angeles
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	\$143,883	Harvard University
A developmental social neuroscience approach to perception-action relations	\$144,259	Temple University
Functional analysis of neurexin IV in Drosophila	\$148,746	University of California, Los Angeles
Cognitive control in autism	\$149,754	University of California, Davis
Defining the dynamics of the default network with direct brain recordings and functional MRI	\$149,942	University of Washington
The integration of interneurons into cortical microcircuits	\$150,000	New York University School of Medicine
The role of CNTNAP2 in embryonic neural stem cell regulation	\$150,000	Johns Hopkins University School of Medicine
Function and dysfunction of neuroligins in synaptic circuits	\$150,000	Stanford University
Social and affective components of communication	\$150,119	Salk Institute For Biological Studies
II-EN: City University of New York - Computing research infrastructure	\$150,803	College of Staten Island (City University of New York)

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Behavioral and sensory evaluation of auditory discrimination in autism	\$151,692	University of Massachusetts Medical School
Motor control and cerebellar maturation in autism	\$154,143	University of Illinois at Chicago
Multimodal analyses of face processing in autism & down syndrome	\$156,083	University of Massachusetts Medical School
Neural correlates of maturation of face processing	\$156,354	Stanford University
Neural basis of cross-modal influences on perception	\$156,424	University of California, San Diego
Serotonin signal transduction in two groups of autistic patients	\$157,000	University of Illinois at Chicago
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	\$157,387	University of Pittsburgh
Multiple systems in theory of mind development	\$163,096	Rutgers, The State University of New Jersey - New Brunswick
HCC:Small:Computational studies of social nonverbal communication	\$165,307	University of Southern California
Structural and functional connectivity of large-scale brain networks in autism spectrum disorders	\$165,629	Stanford University
Identification of candidate genes at the synapse in autism spectrum disorders	\$167,751	Yale University
Multimodal brain imaging in autism spectrum disorders	\$167,832	University of Washington
CAREER: Dissecting the neural mechanisms for face detection	\$170,000	California Institute of Technology
Development of the functional neural systems for face expertise (supplement)	\$172,529	University of California, San Diego
Brain circuitry in simplex autism	\$187,500	Washington University in St. Louis
Gene expression and laminar analyses of pathological cortical patches in autism	\$199,739	University of California, San Diego
Morphological decomposition in derived word recognition: Single trial correlational MEG studies of morphology down to the roots	\$204,301	New York University
ACE Center: Imaging the autistic brain before it knows it has autism	\$206,070	University of California, San Diego
Cell type-based genomics of developmental plasticity in cortical GABA interneurons	\$210,000	Cold Spring Harbor Laboratory
Communicative and emotional facial expression production in children with autism	\$212,250	University of Massachusetts Medical School
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	\$217,948	Weizmann Institute of Science
Cochlear efferent feedback and hearing-in-noise perception in autism	\$221,822	University of Rochester
Neural mechanisms for social cognition in autism spectrum disorders	\$223,233	Massachusetts Institute of Technology
A neural model of fronto-parietal mirror neuron system dynamics	\$225,557	University of Maryland
GABA(A) receptor modulation via the beta subunit	\$226,499	Emory University
Autism-specific mutation in DACT1: Impact on brain development in a mouse model	\$231,750	University of California, San Francisco
Metacognition in comparative perspective	\$234,705	University at Buffalo, The State University of New York

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Functional neuroanatomy of developmental changes in face processing	\$236,799	Medical University of South Carolina
Neuroimaging of social perception	\$245,265	University of Virginia
Cerebellar anatomic and functional connectivity in autism spectrum disorders	\$246,178	University of Texas at Austin
Complex decisions and the brain: An experimental and theoretical approach	\$248,999	Cold Spring Harbor Laboratory
Autism spectrum disorders and the visual analysis of human motion	\$250,000	Rutgers, The State University of New Jersey
CAREER: Enabling community-scale modeling of human behavior and its application to healthcare	\$253,767	Dartmouth College
The development of object representation in infancy	\$258,335	University of California, Davis
Gross morphological correlates to the minicolumnopathy of autism	\$259,000	University of Louisville
Development of brain connectivity in autism	\$262,100	New York School of Medicine
Young development of a novel PET ligand for detecting oxytocin receptors in brain	\$264,000	Emory University
Neural synchrony dysfunction of gamma oscillations in autism	\$265,595	University of Colorado Denver
Imaging brain and movement in ASD	\$270,358	University of California, San Diego
Imaging PTEN-induced changes in adult cortical structure and function in vivo	\$278,686	University of California, Los Angeles
Neural mechanisms of tactile sensation in rodent somatosensory cortex	\$284,334	University of California, Berkeley
Chemosensory processing in chemical communication	\$284,599	Florida State University
A study of the computational space of facial expressions of emotion	\$285,938	The Ohio State University
GABAergic dysfunction in autism	\$290,090	University of Minnesota
Studies of social communication in speakers with autism spectrum disorder	\$292,249	Yale University
Molecular mechanisms regulating synaptic strength	\$296,257	Washington University
A comparative developmental connectivity study of face processing	\$296,461	University of Kentucky
The neural basis of social cognition	\$305,233	Indiana University
ACE Center: Mirror neuron and reward circuitry in autism	\$305,987	University of California, Los Angeles
Using functional physiology to uncover the fundamental principles of visual cortex	\$310,700	Carnegie Mellon University
Perturbed activity-dependent plasticity mechanisms in autism	\$311,292	Harvard Medical School
Testing neurological models of autism	\$315,526	California Institute of Technology
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	\$320,250	Brandeis University
Glutamate receptor desensitization and its modulation	\$328,338	Colorado State University
Statistical analysis of biomedical imaging data in curved space	\$330,008	University of North Carolina at Chapel Hill
ACE Center: Neuroimaging studies of connectivity in ASD	\$330,130	Yale University
Cerebellar modulation of frontal cortical function	\$331,107	University of Memphis

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The microstructural basis of abnormal connectivity in autism	\$336,355	University of Utah
Regulation of synaptogenesis by cyclin-dependent kinase 5	\$342,454	Massachusetts Institute of Technology
Psychobiological investigation of the socioemotional functioning in autism	\$348,750	Vanderbilt University
Cognitive mechanisms of serially organized behavior	\$349,715	Columbia University
Development of face processing expertise	\$360,996	University of Toronto
Neural basis of behavioral flexibility	\$367,565	Mount Sinai School of Medicine
Linking local activity and functional connectivity in autism	\$369,635	San Diego State University
Physiology of attention and regulation in children with ASD and LD	\$374,693	Seattle Children's Hospital
Synaptic processing in the basal ganglia	\$382,323	University of Washington
ACE Center: Cognitive affective and neurochemical processes underlying is in autism	\$382,540	University of Illinois at Chicago
Towards an endophenotype for amygdala dysfunction	\$384,145	California Institute of Technology
Imaging signal transduction in single dendritic spines	\$386,100	Duke University
Neuroimaging of top-down control and bottom-up processes in childhood ASD	\$390,562	Georgetown University
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	\$393,174	University of Pittsburgh
Behavioral and neural processing of faces and expressions in nonhuman primates	\$396,000	Emory University
Morphogenesis and function of the cerebral cortex	\$409,165	Yale University
Integrative functions of the planum temporale	\$411,394	University of California, Irvine
Glial control of neuronal receptive ending morphology	\$422,500	The Rockefeller University
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	\$435,000	Cold Spring Harbor Laboratory
The mechanism and significance of Evf ncRNA regulation of the DLX genes	\$438,060	Children's Memorial Hospital, Chicago
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception	\$439,282	University of Pittsburgh
Motor skill learning in autism	\$454,262	Kennedy Krieger Institute
Function of neurexins	\$464,471	Stanford University
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$474,750	Memorial Sloan-Kettering Cancer Center
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	\$491,943	University of Utah
Development of the functional neural systems for face expertise	\$496,073	University of California, San Diego
The development of face processing	\$512,804	Children's Hospital Boston
Neurodevelopmental mechanisms of social behavior	\$515,840	University of Southern California
CDI-TYPE II: From language to neural representations of meaning	\$525,000	Carnegie Mellon University

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Cell adhesion molecules in CNS development	\$541,105	The Scripps Research Institute
Excessive cap-dependent translation as a molecular mechanism underlying ASD	\$549,386	New York University
RNA-Seq studies of gene expression in cells and networks in FI and ACC in autism	\$551,118	California Institute of Technology
Neurobiological correlates of language dysfunction in autism spectrum disorders	\$555,288	The Mind Research Network
Sensory processing and integration in autism	\$557,971	Albert Einstein College of Medicine of Yeshiva University
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	\$572,893	Duke University
Taste, smell, and feeding behavior in autism: A quantitative traits study	\$576,270	University of Rochester
Function and structure adaptations in forebrain development	\$580,377	University of Southern California
fMRI studies of neural dysfunction in autistic toddlers	\$582,409	University of California, San Diego
Autism and the insula: Genomic and neural circuits	\$620,305	California Institute of Technology
A systems biology approach to unravel the underlying functional modules of ASD	\$655,975	University of California, San Diego
Novel computational methods for higher order diffusion MRI in autism	\$704,302	University of Pennsylvania
Kinetics of drug macromolecule complex formation	\$729,415	University of California, San Diego
Olivocerebellar circuitry in autism	\$756,917	Boston University Medical Campus
Defining cells and circuits affected in autism spectrum disorders	\$820,059	The Rockefeller University
A systematic test of the relation of ASD heterogeneity to synaptic function	\$875,864	Stanford University
The cognitive neuroscience of autism spectrum disorders	\$1,121,429	National Institutes of Health
Identifying brain-based biomarkers for ASD & their biological subtypes	\$1,224,886	New York State Psychiatric Institute
Functional anatomy of face processing in the primate brain	\$1,877,600	National Institutes of Health
Studies on protein synthesis and long-term adaptive responses in the CNS	\$1,992,862	National Institutes of Health
Study of health outcomes in children with autism and their families	\$4,197,414	The Lewin Group

